

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: PORTFOLIO

Report Number: P496256

Luminaire Tested: **LDA2B109035R60D010 2LBDL1H**

Issue Date: 3/9/2021

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-79-08  
Report Number: P496256  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-55)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B109035R60D010 2LBDL1H  
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

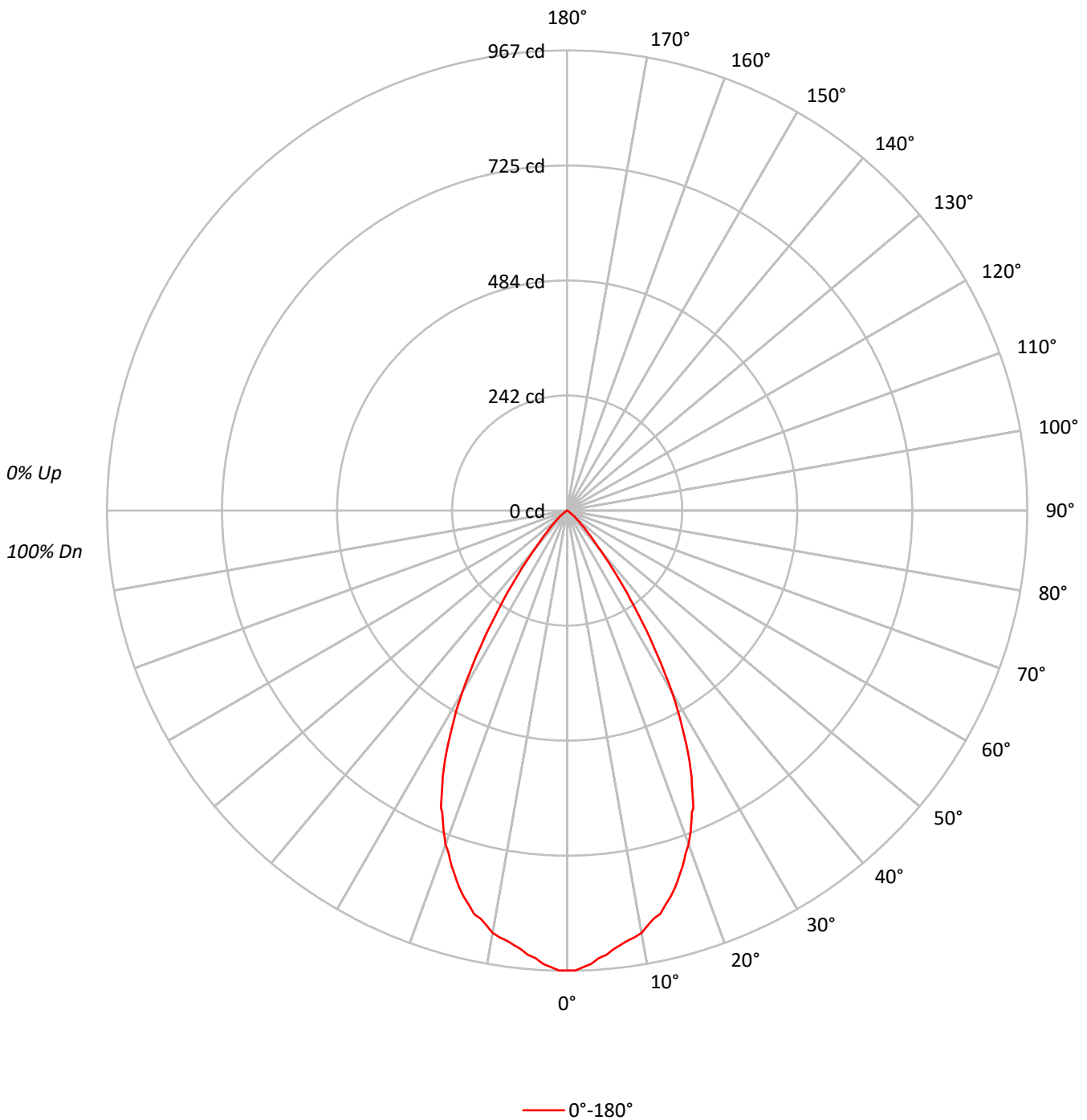
Lumens per Lamp: N/A  
Luminaire Lumens: 805.3 lumens  
Efficiency: N/A  
Efficacy: 80.5 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.86  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

TEST NUMBER: P496256

CATALOG NUMBER: LDA2B109035R60D010 2LBDL1H

### Luminous Intensity Polar Plot





TEST NUMBER: P496256

CATALOG NUMBER: LDA2B109035R60D010 2LBDL1H

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	84	75	69	65	83	74	69	65	73	68	65	72	68	64	71	67	64	63
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59
9	76	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55
10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	57	54	52

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	476686
5°	464244
10°	451426
15°	429094
20°	392036
25°	336635
30°	250491
35°	147078
40°	70071
45°	32723
50°	16272
55°	5677
60°	1283
65°	1051
70°	577
75°	762
80°	0
85°	0



TEST NUMBER: P496256

CATALOG NUMBER: LDA2B109035R60D010 2LBDL1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.2	11.0
10°-20°	233.8	29.0
20°-30°	277.5	34.5
30°-40°	156.6	19.5
40°-50°	40.7	5.1
50°-60°	7.4	0.9
60°-70°	0.8	0.1
70°-80°	0.3	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	599.5	74.4
0°-40°	756.2	93.9
0°-60°	804.3	99.9
0°-90°	805.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	805.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	966	
5°	937	88
15°	840	234
25°	618	278
35°	244	157
45°	47	41
55°	7	7
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P496256

CATALOG NUMBER: LDA2B109035R60D010 2LBDL1H

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	966.2
1°	966.6
2°	960.0
3°	954.2
4°	943.2
5°	937.4
6°	927.2
7°	919.7
8°	912.6
9°	907.8
10°	901.1
11°	888.3
12°	876.4
13°	869.7
14°	854.2
15°	840.1
16°	823.7
17°	804.2
18°	785.7
19°	763.6
20°	746.7
21°	723.7
22.5°	685.7
23°	679.1
24°	646.8
25°	618.4
26°	587.0
27°	550.8
28°	514.9
29°	480.0
30°	439.7
32.5°	338.4
35°	244.2
37.5°	166.8
40°	108.8
42.5°	71.2
45°	46.9
47.5°	31.9
50°	21.2
52.5°	13.3
55°	6.6
57.5°	2.7
60°	1.3
62.5°	0.9
65°	0.9



TEST NUMBER: P496256

CATALOG NUMBER: LDA2B109035R60D010 2LBDL1H

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.4
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)